

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P#

Luminaire Tested: **6RSRK-TS-65-HE-L935**

Issue Date: 3/3/2020



**Test Information**

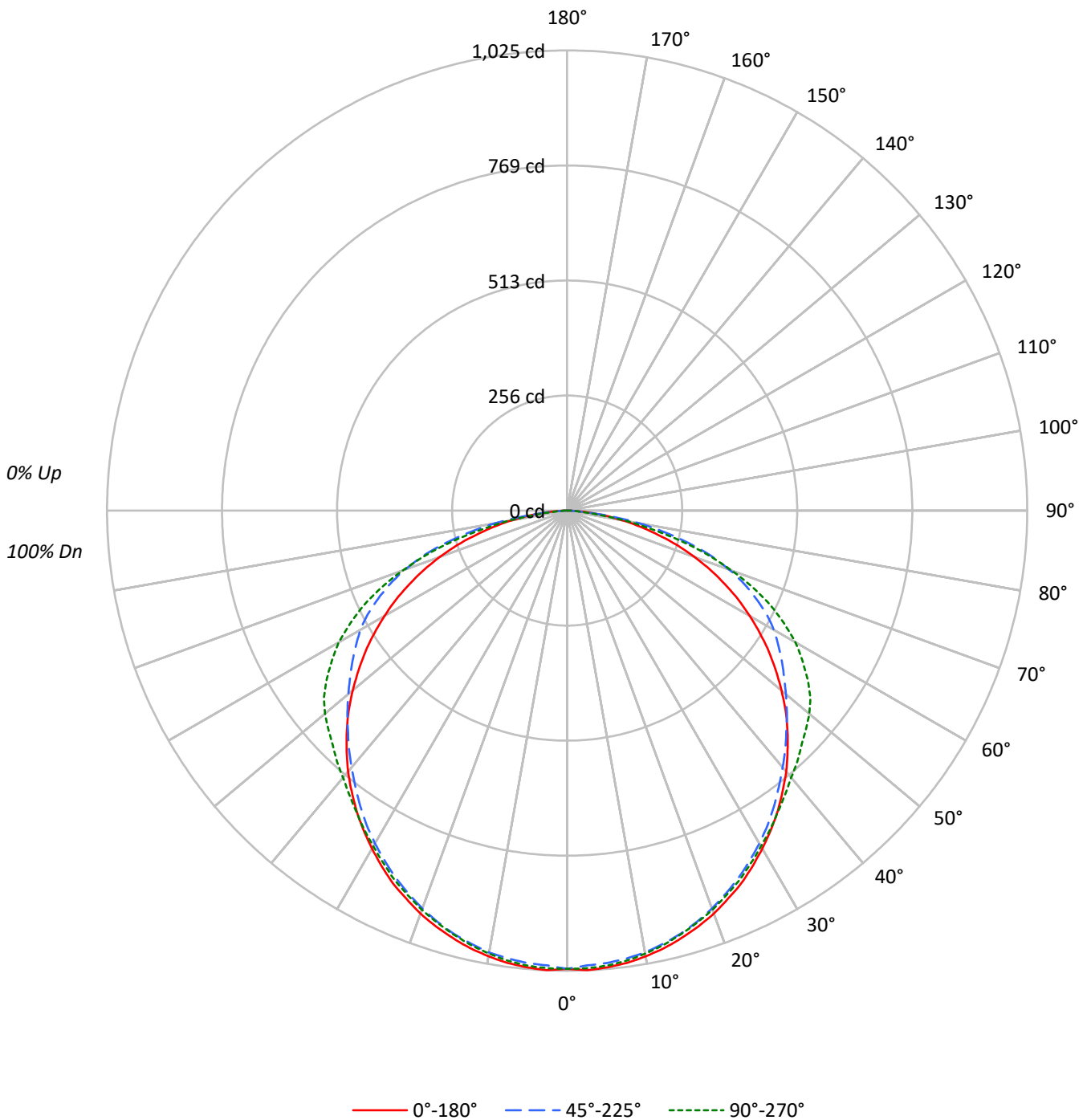
Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1810-975-5)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 6RSRK-TS-65-HE-L935  
Description: 6ft RSRK, 650 LUMEN PER FOOT 90CRI 3500K CCT WITH TRILOBE SMOOTH LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3142.9 lumens  
Efficiency: N/A  
Efficacy: 166.3 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 1.26 / 1.39  
Luminous Opening: Rectangular (W 1' x L: 6' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 18.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT

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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20			
RC	80				70				50				30				10	0		
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	108	103	99	95	105	101	97	93	97	93	90		93	90	87		89	87	85	83
2	98	89	82	76	95	87	81	75	84	78	73		80	76	72		77	73	70	68
3	89	78	69	62	86	76	68	62	73	66	61		70	65	60		68	63	59	56
4	81	69	59	52	79	67	59	52	65	57	51		62	56	51		60	54	50	48
5	74	61	52	45	72	60	51	45	58	50	44		56	49	44		54	48	43	41
6	69	55	46	39	67	54	45	39	52	44	38		50	43	38		49	42	38	36
7	63	50	41	34	62	49	40	34	47	39	34		46	39	34		44	38	33	31
8	59	45	36	30	57	44	36	30	43	36	30		42	35	30		41	34	30	28
9	55	41	33	27	54	41	33	27	40	32	27		39	32	27		37	31	27	25
10	52	38	30	25	50	38	30	25	37	29	25		36	29	24		35	29	24	22

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	1831	1831	1831
5°	1839	1822	1832
10°	1837	1821	1825
15°	1831	1812	1815
20°	1824	1801	1807
25°	1815	1787	1798
30°	1801	1774	1789
35°	1791	1759	1793
40°	1778	1748	1818
45°	1761	1752	1873
50°	1740	1775	1965
55°	1717	1826	2044
60°	1687	1908	2108
65°	1645	1973	2125
70°	1582	2016	2042
75°	1458	1951	1824
80°	1291	1678	1400
85°	930	850	556



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	96.7	3.1
10°-20°	276.7	8.8
20°-30°	418.9	13.3
30°-40°	508.1	16.2
40°-50°	543.5	17.3
50°-60°	526.8	16.8
60°-70°	441.2	14.0
70°-80°	271.1	8.6
80°-90°	59.9	1.9
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	792.2	25.2
0°-40°	1300.3	41.4
0°-60°	2370.7	75.4
0°-90°	3142.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3142.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1021	1021	1021	1021	1021	
5°	1021	1019	1012	1018	1018	97
15°	986	983	976	980	977	278
25°	917	911	903	909	908	422
35°	818	807	803	817	819	511
45°	694	680	690	726	738	535
55°	549	534	584	642	654	490
65°	388	385	465	496	500	383
75°	210	246	281	269	263	224
85°	45	61	41	29	27	57
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1020.8	1020.8	1020.8	1020.8	1020.8
2.5°	1024.7	1022.0	1014.2	1020.8	1020.3
5°	1021.4	1019.2	1011.5	1018.1	1017.5
7.5°	1016.4	1014.2	1006.5	1013.1	1011.5
10°	1008.2	1006.5	999.4	1004.3	1002.1
12.5°	998.3	996.6	988.4	993.9	991.1
15°	985.6	983.4	975.7	980.1	977.4
17.5°	971.3	968.5	960.8	965.2	962.5
20°	955.3	951.5	943.2	949.3	946.5
22.5°	936.1	933.3	923.4	930.0	927.2
25°	916.8	911.3	903.0	909.1	908.5
27.5°	893.7	888.1	879.9	887.0	885.9
30°	869.4	863.4	856.2	863.4	863.4
32.5°	844.1	836.4	830.9	839.1	841.9
35°	817.7	807.2	803.4	817.1	818.8
37.5°	788.5	778.0	774.7	792.9	797.3
40°	759.3	746.1	746.6	769.8	776.4
42.5°	726.8	713.6	719.7	746.6	758.8
45°	694.3	679.5	690.5	725.7	738.4
47.5°	660.2	645.9	664.0	705.3	721.3
50°	623.3	609.0	636.0	686.1	704.2
52.5°	585.9	571.0	609.0	666.3	682.8
55°	549.0	534.1	583.7	641.5	653.6
57.5°	509.3	496.7	557.2	609.0	621.1
60°	470.2	459.2	531.9	575.9	587.5
62.5°	430.0	421.8	501.1	538.0	544.6
65°	387.6	385.4	464.7	496.1	500.5
67.5°	345.2	350.7	427.3	447.7	448.2
70°	301.7	316.6	384.3	393.1	389.3
72.5°	257.7	283.6	337.0	332.6	329.3
75°	210.3	245.6	281.4	269.3	263.2
77.5°	167.4	207.0	221.9	204.8	195.5
80°	125.0	163.5	162.4	140.4	135.5
82.5°	84.2	114.0	97.5	79.3	69.4
85°	45.2	60.6	41.3	28.6	27.0
87.5°	17.1	14.3	11.0	9.9	9.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)